

11/13/19

Accelerometer data

Used because when Chad did research for the government, the vibration tables that were used had inputs of acceleration

Chad-

pulling peak force or strain does not match reality.

Need to research

Concerns-

the peak forces and strains show higher than it can actually sustain, but it happens so fast that it did not

If math model is based on acceleration they can input different fire arms.

They want the math model to become a useful tool to them.

Strain gauge

Chad- strain gauging gun barrels showed that peak strain should have burst them

Vibration Tables?

Google vibration table

FEA

Forces are resultants of the the contact points

Start scope is a rigid body start at the base then move up using FEA

DAQ-

Vibration research observer

END GOAL

What they want is just the two input forces to plug into FEA + redesigned ultramount

Nato 8694 rail type

Jaw- beta series titanium metal injected